

From: Bercik, Lisa M. [lisa.bercik@aptim.com]
Sent: Thursday, October 24, 2019 4:35 PM
To: Mccray, Sean-Ryan CTR (USA) [sean-ryan.mccray.ctr@navy.mil]
CC: Howard, Leslie A CIV NAVFAC SW [leslie.howard@navy.mil]
Subject: [Non-DoD Source] RE: Parcel F FCR-05 Request

Follow Up Flag: Follow up
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Hi Sean-Ryan,

Over 75 percent of the alpha scan data is above the investigation level (IL), which was conservatively set to 50% of the most restrictive release criterion for alpha (100 dpm/100 cm², IL = 50 dpm/100 cm²). We don't believe there is widespread contamination on the piers, based on the conceptual site model, statistical distribution of data (uniformly distributed, minimum outliers), follow up statics (2-min each, no results above the release criteria), and 54 systematic statics/smears (no results above the release criteria).

At this point, there are the following options:

- A. Option A: Make no changes. Go back to all locations that are above the IL (conservatively set at 50% of the release criteria). This is approximately 60,162 follow up locations (alpha and beta) and will take approximately 33.4 additional weeks using three teams. Keep in mind, the original schedule was 8.4 weeks and we do not believe the piers are contaminated.
- B. Option B: Get approval of FCR-005. FCR-005 requests the IL be revised in two ways:
 - 1. Revise the IL from 50% of the release criteria to the release criteria. We were overly conservative with selecting our IL and there's no basis or requirement for it being 50% of the IL.
 - 2. For alpha scans where the scan MDC is greater than the release criteria, the scan MDC will be the IL.Option B reduces the number of follow up locations to approximately 550 locations for the Finger Piers, which will take approximately 2 days.
- C. Option C: Revise existing FCR-005 to only revise the IL to be equal to the release criteria. This option will require approximately 7,870 follow up locations and will take approximately 4.4 additional weeks (Finger Piers only, does not include the sub pens) using three teams.
- D. Option D: Based on actual field conditions, revise our scan speed so the alpha scan MDC is below the release criterion. Our "scans" are actually static stamps, bc it's difficult to achieve a speed of 0.25cm/s. Using a 6-second count time, the scan MDC was estimated to be 86 dpm/100 cm². Using actual site data, we've calculated that we need to scan (static-scan) for 24 seconds instead of 6 seconds to reduce the alpha scan MDC to below the release criteria. This extends the Finger Piers schedule to approximately 48 weeks. We'd still like to revise the IL to be equal to the release criteria, which may reduce this schedule.

We are projected to finish data collection by the end of next week (Nov 1). If we don't find resolution with the path forward by next week, we will have to demobilize. In addition to not having a clear path forward, we're getting closer to the winter where scanning from boats and on piers isn't ideal. We anticipate our subcontractor will invoice us for demobilization and then another mobilization fee when we determine the next step.

I'm interested to see if Matt has any other ideas.

Thanks,
Lisa

Lisa Bercik, PE, QSD, QSP
Project Manager

APTIM | Project Management

O 619 446 4508
M 619 213 3389
E lisa.bercik@aptim.com

From: Mccray, Sean-Ryan CTR (USA) <sean-ryan.mccray.ctr@navy.mil>
Sent: Wednesday, October 23, 2019 9:31 AM
To: Bercik, Lisa M. <lisa.bercik@aptim.com>
Cc: Howard, Leslie A CIV NAVFAC SW <leslie.howard@navy.mil>
Subject: Parcel F FCR-05 Request

Good morning Lisa,

I chatted with Paul about the Parcel F FCR-05 to revise WP Sections 5.3.2, "Concrete Background Area," and 5.4.5, "Step Five – Develop a Decision Rule" this morning.

In order to help wrap our minds around this, can you help me chart a path forward. I.e. What does this FCR really help us accomplish?

Once we establish / chart a path forward, we'll then need to iron this out internally before presenting to the agencies. RASO has verbally agreed to the nature of the FCR but you'll need to submit the FCR-05 for QAO via NIRIS since this is a relatively big WP change. Obviously, the sooner the better, since that can take some time.

Please advise at your earliest convenience.

Thanks,

Sean-Ryan McCray
Environmental Engineering Contracted Technical Support II
Contractor, Navy BRAC PMO West
San Diego, CA 92147

Direct: (619) 507-2949